CLAIMS

- 1. A radioprotective material comprising at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives.
- 2. A radioprotective material comprising at least one member selected from the group consisting of collagens and their derivatives.
- 3. A radioprotective material according to claim
 1, which provides protection from at least one member
 10 selected from the group consisting of cosmic rays, radio
 waves, electromagnetic waves, infrared rays, visible light,
 ultraviolet rays, alpha rays, beta rays, proton beams,
 baryon beams, X-rays, gamma rays, electron beams and
 neutron beams.
- 4. A radioprotective material according to claim
 1, which provides protection from at least one member
 selected from the group consisting of cosmic rays,
 electromagnetic waves, Ultraviolet-A, Ultraviolet-B, alpha
 rays, beta rays, proton beams, baryon beams, X-rays, gamma
 20 rays, electron beams and neutron beams.
 - 5. A radioprotective product comprising a radioprotective material according to claim 1.
- 6. A radioprotective product according to claim
 5, comprising 0.05 wt.% to 40 wt.% in total of at least
 25 one member selected from the group consisting of collagens,

keratins, silk fibroins and their derivatives.

- 7. A radioprotective product according to claim 6, which is at least one member selected from the group consisting of radioprotective plastic product,
- radioprotective film, radioprotective sheet,
 radioprotective coating agent, radioprotective cosmetic
 product, radioprotective fiber and radioprotective
 preparation.
- 8. A radiation-resistant medical or experimental
 10 material, comprising a radioprotective material according
 to claim 1.
 - 9. A radiation-resistant medical or experimental material, comprising a radioprotective product according to claim 5.
- 10. Use as a radioprotective material of at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives.
 - 11. Use for the production of a radioprotective material of at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives.

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12. Use for the production of a radioprotective product of at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives.

- 13. A method for blocking or reducing the adverse effects of radiation on a subject, the method comprising protecting a subject with a radioprotective material according to claim 1.
- 14. A method according to claim 13, wherein at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives is administered to, mixed with, coated on or immobilized on a subject.
- 15. A method according to claim 13, wherein a product comprising at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives is used to protect a subject.
- 16. A method according to claim 15, wherein a

 15 product comprising at least one member selected from the
 group consisting of collagens, keratins, silk fibroins and
 their derivatives is placed over, applied to or
 administered to a subject.
- 17. A method according to claim 13, wherein at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives is used in such a manner that the at least one member is present inside a subject or inside a surface layer of a subject in a total amount of 0.05 wt.% to 40 wt.%.